

Antero Resources
Well No. Seagrave 1H
BHL MOD
Antero Resources Corporation



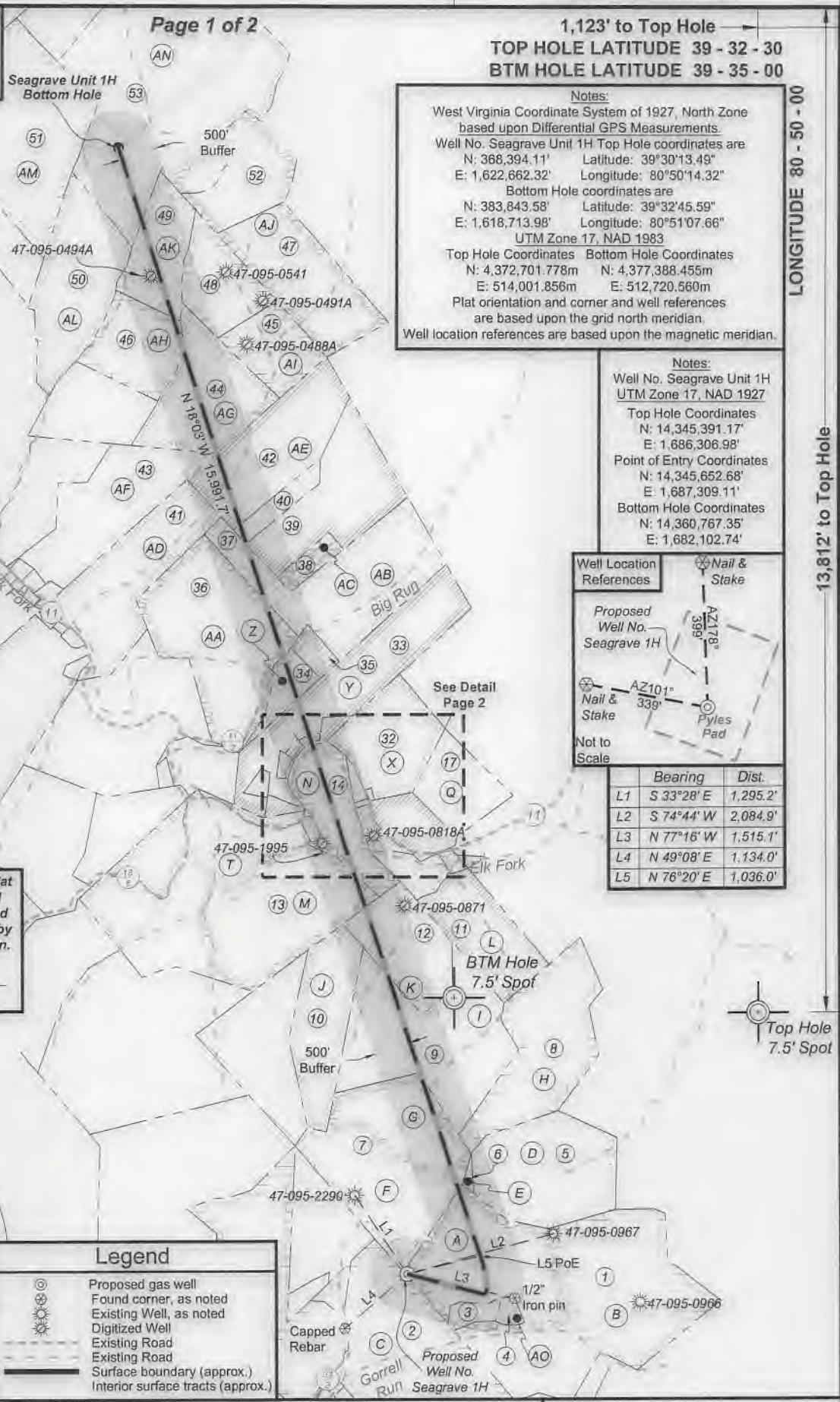
- Wellhead Layout**
- Vulcan Unit 1H
47-095-02701
 - Vulcan Unit 2H
47-095-02702
 - Prosper Unit 1H
47-095-02699
 - Prosper Unit 2H
47-095-02700
 - Friend Unit 1H
47-095-02695
 - Friend Unit 2H
47-095-02696
 - Proposed
 - Seagrave Unit 1H
47-095-02697
 - Seagrave Unit 2H
47-095-02698



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller
Bradley D. Miller, P.S. 2167

Note: 3 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Seagrave Unit 1H Top Hole coordinates are
 N: 368,394.11' Latitude: 39°32'13.49"
 E: 1,622,662.32' Longitude: 80°50'14.32"
 Bottom Hole coordinates are
 N: 383,843.58' Latitude: 39°32'45.59"
 E: 1,618,713.98' Longitude: 80°51'07.66"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,372,701.778m N: 4,377,388.455m
 E: 514,001.856m E: 512,720.560m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Notes:
 Well No. Seagrave Unit 1H
 UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,345,391.17'
 E: 1,686,306.98'
 Point of Entry Coordinates
 N: 14,345,652.68'
 E: 1,687,309.11'
 Bottom Hole Coordinates
 N: 14,360,767.35'
 E: 1,682,102.74'



	Bearing	Dist.
L1	S 33°28' E	1,295.2'
L2	S 74°44' W	2,084.9'
L3	N 77°16' W	1,515.1'
L4	N 49°08' E	1,134.0'
L5	N 76°20' E	1,036.0'

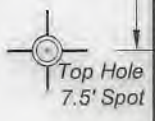
5,300' to Bottom Hole

1,123' to Top Hole
TOP HOLE LATITUDE 39 - 32 - 30
BTM HOLE LATITUDE 39 - 35 - 00

LONGITUDE 80 - 50 - 00

13,812' to Top Hole

13,600' to Bottom Hole



FILE NO: 100-54-E-19
 DRAWING NO: Seagrave Unit 1H Well Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV

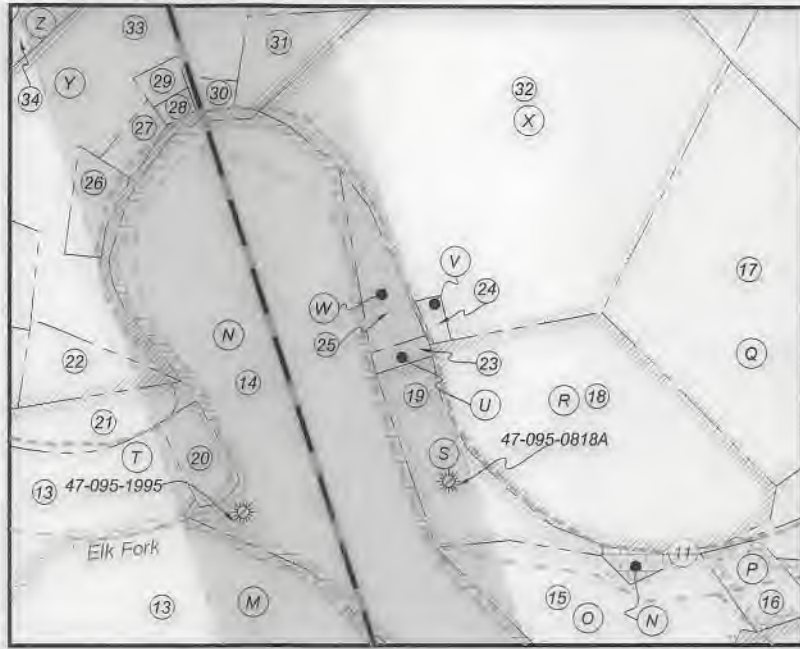
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: July 15 2020
 OPERATOR'S WELL NO. Seagrave 1H
 API WELL NO ~~MDA~~
 47 - 095 - 02697
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1081' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porter Falls
 DISTRICT: Ellsworth COUNTY: Tyler
 SURFACE OWNER: Richard D. Pyles BRC Appalachian Minerals I, LLC (4); B&C Oil & Gas Company (2);
 Ridgetop Capital; Darrell Sole; Helen M. Karcinski, et al; Rose Enterprises, LLC. ACREAGE: 168.5
 ROYALTY OWNER: Richard D. Pyles, et ux; Helen E. Boggs; Joseph L. Sitko, et ux, Will E. Morris Trust; LEASE NO: _____ ACREAGE: 50.5; 30; 30;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,100' TVD
25,100' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313



ID	TM/Par	Owner	DB/PG	Acres
1	16-42	Richard D. Pyles	379/20	168.5
2	16-44	Robert A. Pyles, et al	335/482	87.82
3	16-42.1	Richard D. Pyles	336/815	4.56
4	16-42.2	Bonnie J. Hair	569/105	2.44
5	16-24	Harry Eastham, et al	AR54/518	64.00
6	16-21	Kayla Leek	531/56	61.73
7	16-22	Joseph L. Jr. & Karen Sitko	296/13	81.70
8	16-21	Kayla Leek	531/56	67.73
9	16-2	David E. Bowyer	622/775	80.75
10	16-1	Antero Midstream, Inc.	617/739	35.25
11	16-5	David Leek	422/762	34.38
12	16-4	Darrell J. Sole	227/376	35.00
13	15-9	Antero Midstream, Inc.	586/544	132.19
14	11-36	David W. Fiber	574/847	21.16
15	16-52	Darrell Sole	238/145	9.04
16	16-5.3	David Leek	434/453	1.46
17	11-40	Samuel L. & Peggy S. Leek	362/408	21.39
18	11-39	Ronnie H. Seagrave	361/236	12.30
19	11-37	Gary & Melissa Piliant	348/717	4.41
20	10-53	Kathy M. & Doug O. Smith	331/220	1.10
21	10-52	Darwin & Shirley Martin	306/537	5.00
22	10-72	Darwin & Shirley Martin	322/28	1.99
23	11-82	Minerva Banks	250/652	0.59
24	11-36.1	Ronnie H. Seagrave	361/236	0.26
25	11-81	Stephen D. Riggs, et al	362/441	2.50
26	10-70	Darwin & Shirley Martin	326/490	1.19
27	11-32.2	Bernard R. & Denise F. McDougal	636/587	0.54
28	11-32.4	Tony Ware	453/256	0.24
29	11-32.1	Melissa Stiles	380/290	0.34
30	11-33	Gary L. & Shirley A. Felton	337/136	0.39
31	11-79	Gary L. & Shirley A. Felton	337/136	4.00
32	11-34	Michael W. & Brenda S. Schmidt	582/483	31.74
33	11-32	Darwin & Shirley Martin	348/344	60.66
34	10-51	Charles E. & Laura Lynn Friend	334/839	8.03
35	10-50	Charles E. & Laura Lynn Friend	334/839	5.00
36	10-49	Charles E. & Laura Lynn Friend	334/836	71.52
37	11-1	Gertrude L. Pugh	314/140	70.00
38	11-2	Richard A. Fonner	415/796	6.00
39	11-3	Howard & Helen Young	198/126	59.90
40	10-69	Howard & Helen Young	198/126	5.10
41	10-46	Opal Carol Tallman	282/382	114.00
42	10-8	Helen M. Young	198/126	50.50
43	10-10	Ronald D. & Sandra Sue Martin	378/322	58.35
44	10-9	Brian E. & Barbara J. Courtney	344/626	52.00
45	10-7	Burt Rice	180/65	25.47
46	10-5	Brian E. & Barbara J. Courtney	344/626	30.00
47	10-68	Larry M. Adams	343/792	50.25
48	10-6	The Rutter Family Revocable Trust	340/715	24.53
49	10-5	Brian E. & Barbara J. Courtney	344/626	30.00
50	10-4	Stefan L. & Alberta B. Smolski	356/467	56.08
51	6-36	Dennis & Clista A. Heintzman	297/640	417.06
52	7-32	Robert A. Mercer	399/676	61.13
53	6-30.1	Larry M. & Amy B. Adams	369/344	150.34

Leases	
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C	Helen E. Boggs
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E	BRC Appalachian Minerals I, LLC
F	Joseph L. Sitko, et ux
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M	Will E. Morris Trust
N	Kathy Marie Smith
O	Donna Ables
P	David Leek
Q	Reita Jane Hall
R	Antero Resources Corp.
S	Melissa Dawn Piliant, et vir
T	Jerry Shoemaker
U	OPEN
V	OPEN
W	OPEN
X	Jerry R. Brightwell & Gwendolyn C. Davies
Y	Haught Family Trust
Z	Karen J. Wolfe
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AD	Allen Smith
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AG	BRC Appalachian Minerals I, LLC
AH	B&C Oil and Gas Company
AI	Linda K. Loehr
AJ	Will E. Morris Heir Trust
AK	B&C Oil & Gas Company
AL	Rose Enterprises, LLC
AM	BRC Appalachian Minerals I, LLC
AN	NO LEASE
AO	Dustin A. Hendershot

FILE NO: 100-54-E-19
DRAWING NO: Seagrave Unit 1H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: July 15 2020
OPERATOR'S WELL NO. Seagrave 1H
API WELL NO. ~~WV01~~
47 - 095 - 02697
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: As-Built 1081' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Porter Falls
DISTRICT: Ellsworth COUNTY: Tyler 81.482; 177; 45; 64.65; 134; 36.3625; 102.75; 10; 52; 21.16; 71.283; 13.025; 70; 71.52; 50.5; 30; 30;
SURFACE OWNER: Richard D. Pyles BRC Appalachian Minerals I, LLC (4); B&C Oil & Gas Company (2); Ridgetop Capital; Darrell Sole; Helen M. Karcinski, et al; Rose Enterprises, LLC
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ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313

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Well No. Seagrave 1H
BHL MOD
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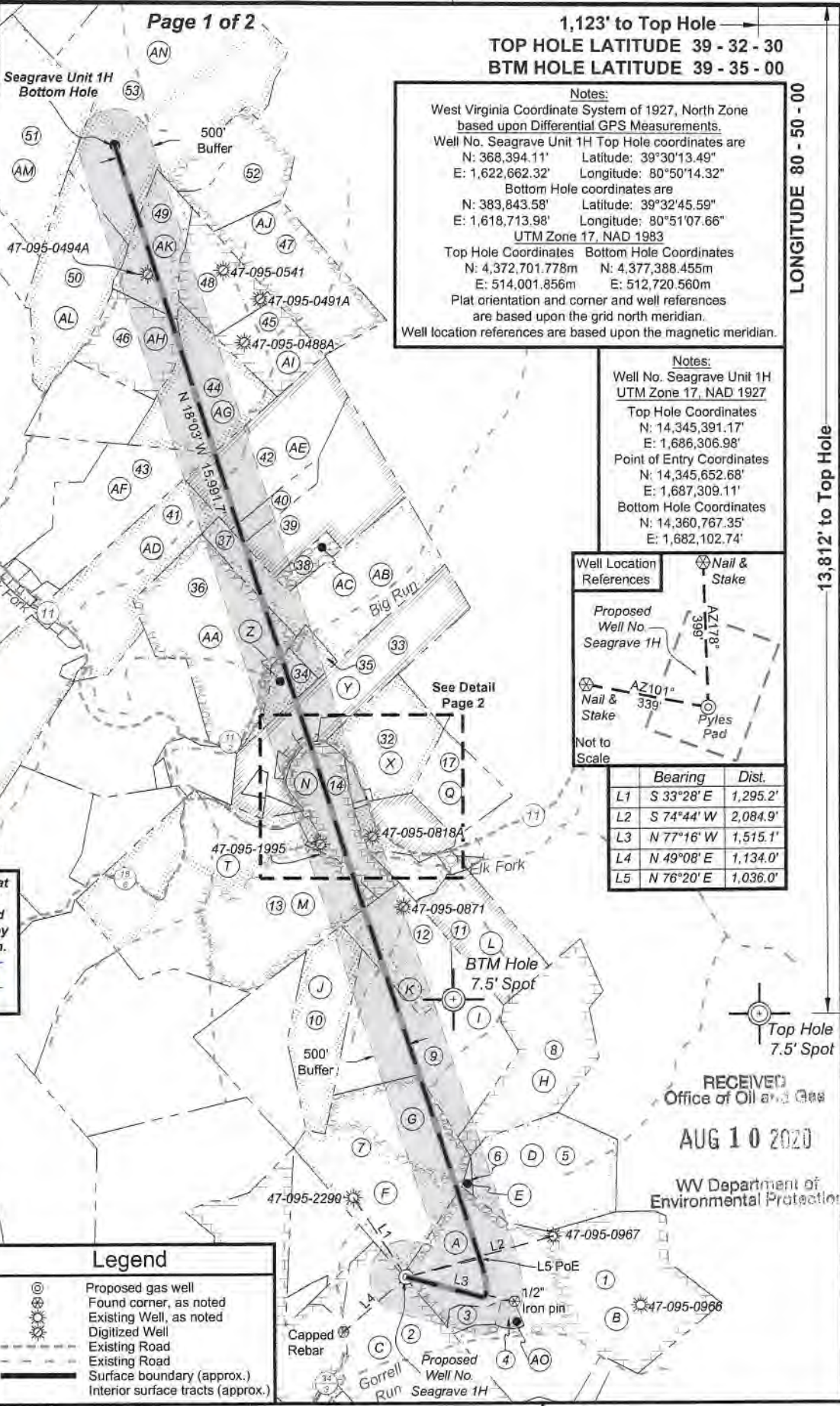
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 WV Department of Environmental Protection

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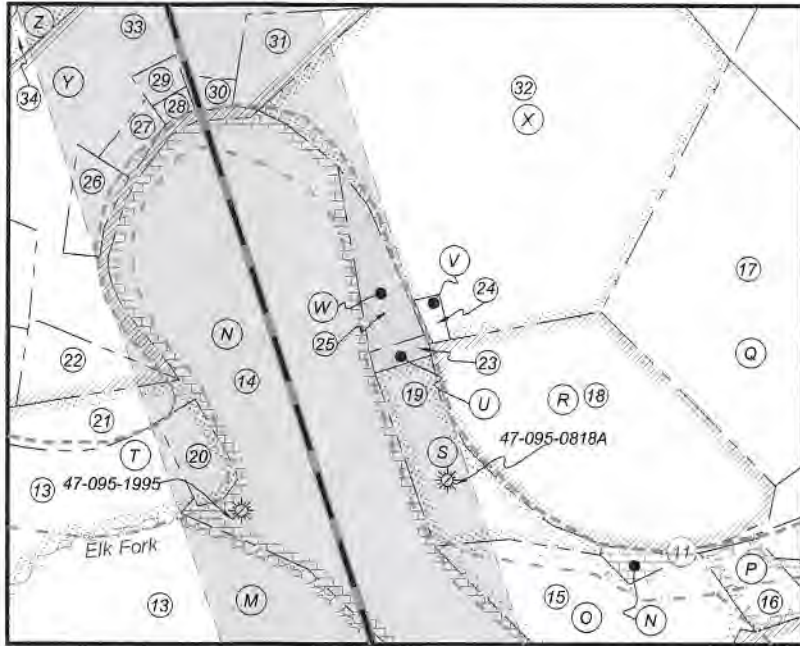
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OIL AND GAS DIVISION

DATE: July 15 2020
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 API WELL NO MOD
 47 - 095 - 02697
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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 ROYALTY OWNER: Richard D. Pyles, et ux; Helen E. Boggs; Joseph L. Sitko, et ux, Will E. Morris Trust; LEASE NO: _____ ACREAGE: 168.5
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AO	Dustin A. Hendershot

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